

## QUESTION/COMMENTS

Solicitation NNK10317295R, Repair Kennedy Space Center Wide Fire Monitoring System  
(Phases 1 and 2)

1. Reference: EO 2 Sht. 3, Note 4

Question: New smoke and heat detectors call for "T bar corner plate/bracket", Is this GFE? If not please provide suggested manufacture.

Addenda Item 29

Answer: Contractor to provide corner plate/bracket. Suggested manufacturer: Contact Space Coast General Contractors, Cocoa, Florida. Contact is Wayne Clark @ 321-633-9336.

2. Reference: 28 31 00 .01 98 Sht. 99

Question: Specification calls for the NDU to be capable of 392,000 addressable analog points. A single NDU is capable of 12,000 addressable analog

Addenda Item 22

Answer: For both Specification 79K38493 and 79K38767, provide Simplex 4100U fire alarm control panel equipment with input monitoring, output control (generally 4100U FACP controlled relay contacts), Simplex network communications, and data transmission functions required to connect to radio transceiver and Simplex network equipment. NASA is using the Network Display (NDU) nomenclature to indicate fire alarm control equipment functioning in a multi-facility data collection mode; it is not meant to imply Simplex "NDU" product lines are to be used.

3. Reference: 28 31 00 .01 98 Sht. 71

Question: This scope of work is also shown on FA-13, Sheet 19, Base Bid, Please advise which CLIN this scope belongs in.

Answer: Question and reference is unclear. All work on 79K38492, Sheet 19 (FA-13) including the monitor ZAM and its connections to UPS alarm contacts is BASE BID, CLIN-0001. Proposal shall be based upon released drawings and specifications.

4. Reference: 28 31 00 .01 98 Sht. 97

Question: Required maintenance by-pass switch for CRMS is not possible with the 4002 FACP. Please advise...

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Answer: CRMS bypass function for Simplex 4002 FACP's on the drawings or for other existing FACP's where existing equipment cannot be modified to provide this function.

5. Reference: 28 31 00 .01 98, Sht. 129 "e" and Sht.131 "5"

Question: Are these spec sections referring to the same Lap Top Computer?

Answer: Yes; the same laptop computer.

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6. Reference: 28 31 00 .01 98 Sht. 132 “c”

Question: Please provide location of Antenna C2.

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Answer: “C2” reference is an error. There are only radio controller antennas are A1 and B1.

7. Reference: 28 31 00 .01 98 Sht. 104, 3.1.1 “c”

Question: Required supervisory alarm from radio transceiver to FACP is not possible with the 4002 FACP. Please advise...

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Answer: Connection of radio transceiver trouble contact is indicated on the drawings for each 4002 installation; generally it is the zone previously used for the panel tamper. A distinct supervisory signal is not required on FACP equipment incapable of producing it; utilize the trouble signal at the FACP.

8. Reference: 28 31 33 .00 10, 167, 3.4.3, c. 1

Question: Will the government provide operators at each CRMS work station during testing to confirm vectored signals?

Answer: The Government will not provide operators for Contractor required workstation testing; however, operators may shadow Contractor’s operators for training purposes.

Note: Once the monitoring workstations are turned over to the Government for operations, Government operators will program and man the workstations for subsequent testing (where new facility radio transceivers are installed).

9. Reference: 79K38492, Sht. FA-2, Special Requirements, #2

Question: The paragraph states “unless waived by the government” will this testing be required?

Answer: The qualification test will be required. Portions of the test could be waived and would be specifically waived by a Contract change.

10. Reference: General (testing communications)

Question: Will the government provide communications equipment at all central station head-end equipment and at the facility being tested (i.e. radios)?

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Answer: Issue of the question is unclear.

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1. The Government will provide no communications equipment at the head-end or facility being tested. New radio equipment is to be provided and existing radio equipment is to be transitioned to the new system as indicated on the drawings.
2. If the question relates to handheld radios then the following applies. The Contractor should quote provisions for communications between work crews at different locations during the progression of the work. After award the Government will attempt to qualify limited Contractor personnel for radio communications using Government frequencies and government radio equipment; however, this is not guaranteed. The Contractor at his expense must take all required training, cease communications when directed (during emergencies for example) and replace any checked out equipment that is returned damaged or inoperable. Failure to take proper care of equipment and use proper radio communication etiquette and protocols will result in termination of the radio use privilege.

### 11. REFERENCE: J-3, 79K38492 (Drawings)

Question:

- o Drawing FA-12:
- Please confirm that the "Central Station Radio Controller" is equivalent to the AES 7705i MultiNet server

Answer: AES 7705i equipment was the basis of design. However, re-labeled AES radio compatible equipment (Government believes Keltron Corporation equipment to be such) is acceptable. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

### 12. REFERENCE:

J-3, 79K38492 (Drawings)

Question:

- o Drawing FA-12:
- Please confirm that the "Central Station Radio Transceiver" is equivalent to the AES 7170 MultiNet IP Link receiver.

Answer: AES 71709 MultiNet IP Link radio transceiver equipment was the basis of design. However, re-labeled AES radio compatible equipment (Government believes Keltron Corporation equipment to be such) is acceptable. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Item B and D, on Pages 75 and 76.

### 13. REFERENCE:

J-3, 79K38492 (Drawings)

Question:

- o Drawing FA-12:

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- An AES MultiNet system requires 2 x 7705i servers [Radio Controllers A1 and A2] and 2 x 7170 IP Links [Radio Transceiver A1]. The second 7170 IP Link [i.e. Radio Transceiver A2] appears to be missing from the LCC system and similarly from the CIF system [i.e. Radio Transceiver B2]. Please confirm that a second IP Link [Radio Transceiver] can be added in each case.

Answer: M6-342 (CIF) antenna B1 is the redundant antenna and communicates to the controlling radio controller (or radio controller pair A1/A2) via IP link on "Production" VLAN-2. CIF radio controllers B1 and B2 are normally off-line (on "R&D" VLAN-3) and are not communicating with either Antenna A1 or B1. The M6-342 (CIF) site equipment is not normally in operation as it is used for hardware and software development or testing purposes. Reference sub-section 1.5.3 of Specification 79K38493 Section 28 31 33.00 10, FIRE ALARM REPORTING SYSTEM, RADIO TYPE. Radio transceivers can be added, but revisions to the design and reasons for such are to be incorporated into the Technical volume of the proposal and will be evaluated in accordance with Section M of the solicitation.

### 14. REFERENCE:

J-4, 79K38493 (Specifications)

Question:

- o Section SD-03 Product Data, Group 1 - All Radio Equipment.
- AES does not provide a "Radio Subscriber Unit Relay Output Interface". Please confirm that this is acceptable.

Answer: This capability was demonstrated to KSC during on-site demonstration of AES and This capability was demonstrated to KSC during on-site demonstration of AES and Simplex equipment; apparently the product capabilities have changed. Re-labeled AES compatible equipment (Keltron) may still have this capability. Stipulate this exception in the proposal's Technical volume if AES equipment is being proposed; since AES was the basis of design the unavailability of this capability is acceptable. This capability was demonstrated to KSC during on-site demonstration of AES and Simplex equipment; apparently the product capabilities have changed. Re-labeled AES compatible equipment (Keltron) may still have this capability.

### 15. REFERENCE:

J-4, 79K38493 (Specifications)

Question:

- o Section SD-03 Product Data, Group 1 - All Radio Equipment.
- AES does not provide a "Radio Subscriber Unit Serial Data Interface to Simplex 4100 FACP". AES does provide an alternative method to obtain full data from a Simplex 4100 panel by using the FACP's digital dialer and adding the AES 7067 IntelliTap module to the AES 7788F Subscriber Unit. Is this product acceptable?

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Answer: Serial data transmission between AES and FACP equipment using a digital dialer technique is acceptable and not excluded by the specifications. Serial data transmission between AES and FACP equipment using a digital dialer technique is acceptable and not excluded by the specifications. AES equipment was the basis of design. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Item B and D, on Pages 75 and 76.

### 16. REFERENCE:

J-4, 79K38493 (Specifications)

Question:

o Section SD-03 Product Data, Group 1 - All Radio Equipment.

- Please confirm that the "Central Station Radio Controller" is equivalent to the AES 7705i MultiNet server.

Answer: AES 7705i equipment was the basis of design. However, re-labeled AES radio compatible equipment (Government believes Keltron Corporation equipment to be such) is acceptable. However, re-labeled AES radio compatible equipment (Government believes Keltron Corporation equipment to be such) is acceptable. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

### 17. REFERENCE:

J-4, 79K38493 (Specifications)

Question:

o Section SD-03 Product Data, Group 1 - All Radio Equipment.

- Please confirm that the "Central Station Radio Transceiver" is equivalent to the AES 7170 MultiNet IP Link receiver.

Answer: AES 7170 MultiNet IP Link radio transceiver equipment was the basis of design. However, re-labeled AES radio compatible equipment (Government believes Keltron Corporation equipment to be such) is acceptable. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

### 18. REFERENCE:

J-4, 79K38493 (Specifications)

Question:

o Section SD-03 Product Data, Group 1 - All Radio Equipment.

- The "Central Station Radio Controller Workstation Equipment" is not provided in the AES MultiNet system. The AES 7705i MultiNet server is a network device and can be accessed from anywhere on the network by persons having the appropriate privileges. Please confirm that this is acceptable.

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Answer: Provide dedicated radio controller workstations as indicated on the drawings and in the specifications. This equipment will be subject to routine set-up changes and monitoring.

### 19. REFERENCE:

Section 1.5 System Operation.

Question:

- 1.5.3, a 1: For UL compliance, the method of interface between the radio subscriber unit and the facility FACP **must** be by FACP dry contact to the radio subscriber unit zone input. Please confirm that this is acceptable.

Answer: Providing dry contact connections as indicated on the drawings is acceptable. The design and review process has considered the special cases of the K6-1193 (VABR) and M6-138 (CD&SC) Simplex 4100 "Summary" panels and Option 3, CLIN-0004.

### 20. REFERENCE:

Section 1.5 System Operation.

Question:

- 1.5.3, a 4: A 7705i MultiNet Server [i.e. LCC Radio Controller] only supports a serial connection to automation software. Please confirm that this is acceptable.

Answer: A serial connection is acceptable. A serial connection is acceptable. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

### 21. REFERENCE:

Section 1.5 System Operation.

Question:

- 1.5.3.1 b: A serial to TCP-IP, TCP-IP to serial converter, de-converter **will** be required. Please confirm that this is acceptable.

Answer: Serial / TCP-IP converters are acceptable and indicated on the drawings. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

### 22. REFERENCE:

Section 1.5 System Operation.

Question:

- 1.5.3.1 d: The AES MultiNet system does not require an A-B switch: all the equipment is active and the fail-over is completely automatic. Please confirm that this is acceptable.

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Answer: An A-B switch is not desired unless required; however, the Government understood some alarm automation system server product lines access radio controller alarm data from a single IP address. The design assumes Serial /TCP-IP converters CONV A1 and CONV A2 have the same IP address. The A-B switch on Drawing 79K38492 Sheet 18 (FA-13) keeps redundant radio controller CONV A2 disconnected from the network to avoid IP conflicts. IP conflicts or movement and re-connecting of cables in an equipment failure situation will not be approved. Revisions to the design and reasons for such are to be incorporated into the Technical volume of the proposal will be evaluated in accordance with Section M of the solicitation. Revisions to the design and reasons for such are to be incorporated into the Technical volume of the proposal and will be evaluated in accordance with Section M of the solicitation. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

### 23. REFERENCE:

Part 2 Products

Question:

- 2.1.3.1 b: see above. AES does not have a "Radio Subscriber Unit Serial Data Interface to Simplex 4100 FACP". Please confirm that this is acceptable.

Answer: Serial data transmission between AES and FACP equipment using a digital dialer technique is acceptable and not excluded by the specifications. Serial data transmission between AES and FACP equipment using a digital technique is acceptable and not excluded by the specifications. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

### 24. REFERENCE:

Part 2 Products

QUESTION:

- 2.1.3.1 c: Please clarify what the intention is in this section.

Answer: Remote control capability (radio transceiver output connected to FACP input). For AEI equipment, this capability was demonstrated to KSC during on-site demonstration of AES and Simplex equipment; apparently the product capabilities have changed. Re-labeled AES compatible equipment (Keltron) may still have this capability. Stipulate this exception in the proposal's Technical volume if AES equipment is being proposed; since AES was the basis of design the unavailability of this capability is acceptable. Re-labeled AES compatible equipment (Kelton) may still have this capability. Stipulate this exception in the proposal's Technical volume if AES equipment is being proposed; since AES was the basis of design the unavailability of this capability is acceptable. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

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25. Phase 1 page 3 1.1

Is there to be a graphics software package for each system? If yes what brand of software and who will program the graphic package?

Answer: Graphics software packages are required for the alarm automation system. Software brand selection is by the Contractor. Programming of the graphic package is by the Contractor for existing facility radio transceivers that are being transferred to the new monitoring system, and by the Government where new facility radio transceivers are installed.

26. Phase 1 page 3 1.2

Who is responsible for what part of the network connections through the KSC building-to-building network, Fiber modems, copper backbone, patch panels and fiber connections?

Answer: Provide communications cabling and communications equipment as indicated on the drawings. Interconnections between buildings and connections to Contractor installed cables will be by the Government.

27. Phase 2, page 2, part 1

Who is responsible for the connections from AES equipment to the Simplex equipment?

Answer: The Contractor is responsible for required connections between AES and Simplex equipment.

28. Page 97 part 2

Who will be responsible for the re-locating Simplex equipment Conduit and wire?

Answer: The Contractor is responsible for conduit and wiring modifications indicated on the drawings.

29. Phase 1 page 4 part 1.I.

Has an RF survey been conducted throughout the new locations to determine the antenna type and gain needed for each location?

Answer: No RF survey has been conducted, but will be performed during construction by the Government prior to Contractor installation at a facility. Location of antennas at facility radio transceivers is indicated on the drawings and each is subject to being relocated 10-feet if a pre-installation RF check conducted by the Government indicates this movement is required. If more than a 10-Foot relocation is required, then a Contract change may be issued. Interior antennas are to be the radio transceiver manufacturer's standard VHF "rubber duck" antenna; Government substitution of a Metz Manta interior



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antenna and connector parts may be provided to the Contractor if this will improve particular interior reception issue. Interior antennas are to be the radio transceiver manufacturer's standard VHF "rubber duck" antenna; Government substitution of a Metz Manta interior antenna and connector parts may be provided to the Contractor if this will improve a particular interior reception issue. Generally KSC uses a stainless steel exterior antenna, Metz Manta or equivalent; Reference Sheet FD-4 of drawing 79K38492.

30. Phase 1 page 112 sec 3.3.3 2. a. B. c. d.

Are all radio boxes to monitor dry contacts or Digital communicators? Do you have a count of many of each will be needed?

Answer: All facility radio transceivers are to have dry contact monitoring provisions. Transceivers with digital communications are indicated on the drawings. Reference the drawing legend and riser diagrams.

31. Page 112 3.3.3.2

Are the prints accurate as to the number of new AES Radio boxes to be installed?

Answer: The prints are accurate. Any changes in quantity required will be by Contract change.

32. Page 112 sec 3.3.3.2 and 3.3.3.3

Who will be responsible for Fire Alarm systems that have existing troubles or deficiencies?

Answer: The Contractor is not responsible for existing system deficiencies; unless a contract change is issued the Government is responsible. Existing fire alarm systems will be turned over to the Contractor for modification, and during this turnover process existing deficiencies will be noted.

33. Page 110 sec 3.3.2 and 3.3.3.3

When was the last time each system has had a 100% functional test, is there paper work showing the test results, date, time and software revision level at the time if testing?

Answer: 100% testing of existing fire alarm control panels (reacceptance test) by the Contractor is not specified or implied, nor is the Contractor responsible for any existing system deficiency. Since this information request is not necessary for bidding, it will not be provided. During construction, the Government will provide relevant system information including the operating software on an as needed basis. Program changes made by the Contractor must be 100% tested (for example, all input and output conditions verified on new program equations). New equipment or modifications installed must be fully tested in accordance with the specifications. Re-acceptance test requirements shall also comply with the specification requirements.

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34. Page 97 part 2

Who will be responsible for the demo of the older simplex equipment, to be removed?

Answer: The Contractor is responsible for the demolition of older Simplex equipment as indicated. If needed, the Government will provide operations and maintenance contractor support as required to secure and prepare the equipment for demolition.

35. General

What type of junction box and size is required for the antenna surge on the exterior of the building?

Answer: Provide NEMA 4X Type 316 stainless steel boxes or galvanized cast metal boxes in accordance with the specifications. Reference Sheet FD-4 of Drawing 79K38492 and 79K38766.

36. Automation Software: Is it a correct assumption that any brand that meets the specification is acceptable?

Reference 28 31 33.00 10 Page 125 Paragraph 1.3.7

Answer: No particular brand was a basis of design; any software meeting the specification requirements is acceptable.

37. Do the existing radio's that are being transferred in the "base bid" meet all of the requirements of the bid?

a. Grounding

b. Proper Antenna's

c. While it is an easy assumption that the signal path to the existing head end has adequate signal paths, has the signal path from all locations been verified to be interference free to the new head ends, Or is this research, resolution to be part of the base bid?

No reference. General knowledge required to submit qualified bid. Need to confirm that all existing installed equipment meets or exceeds current specifications. Is bidder required to bring currently installed existing equipment up to these specification requirements?

Answer: No modifications to existing facility radio transceiver installations are in scope; they operate at the same radio frequency required for new equipment. The Contractor is not responsible for any such existing deficiencies, and shall be handled as a differing site condition. Retesting of the facilities existing alarm-supervisory-trouble signals back to the new monitoring equipment is required for BASE BID CLIN-0001 by the drawings and specifications.

38. Since AES does not have any antenna's that meet the 125MPH requirements, has

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KSC standardized on any Antenna brand?

Reference 28 31 33.00 10 2.2.2.1A

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Answer: KSC utilizes a stainless steel exterior antenna, Metz Manta or equivalent; Reference Sheet FD-4 of drawing 79K38492. The antennas are to be installed per the drawings in lieu of the 125 MPH wind requirement.

39. KSC lightning requirements: Please provide references to the KSC standards manual covering this phase.

Reference 28 31 33.00 10 Page 157 paragraph 3.3e

Answer: No KSC standards manual was referenced in the specification. Install exterior antennas at locations and heights indicated on the drawings. Provide surge suppression and grounding connections in accordance with the drawings and specifications. If a manufacturer's requirements differ from those indicated, note this discrepancy in the Technical Volume of the proposal.

40. Who is providing the additional Zone, and zone programming for the new smoke detector protecting the radio?

Engineering Order EO2-79K38492 DWG FA-34 Specific Notes H

Answer: The Contractor is to provide signaling line circuit connections and programming for a new addressable smoke detector as indicated on the Engineering Order EO2 – Sheet FA-34, Note H.

41. "Pick resistant locks" are required on all panels, Has KSC standardized on a lock brand and keyway?

Reference 28 31 33.00 10 Page 125, 1.3.4, 28 21 22.00 10 Page 142 paragraph 2.2.2.4.c

Answer: Special lock hardware is not specified for equipment in Section 28 331 33.00 10, FIRE ALARM REPORTING SYSTEM, RADIO TYPE.

42. It is clear that FACP interface can be via Relays, or Serial radio interface, is the serial interface the AES-7770 or a Simplex custom interface?

Reference 28 31 33.00 10 Page 130 Paragraph 1.5.3.a.1

Answer: The AES serial interface to Simplex panels is a digital dialer type. Other re-branded AES radio equipment (Keltron Corporation) uses a printer port interface. AES and other manufacturer's indicate serial data compatibility with various fire alarm manufacturer's in their literature.

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43. Existing Radio's that are to be transferred to new head-end:

Are all radios on the correct frequency, or do the radios need to be switched out in each unit?

Do all antennas meet the 125 MPH specification, or is the upgrade to be included in the base bid?

Do all radio's have Smoke Detectors above them, or is this to be included in the base bid?

Do any modifications need to be done at these locations?

No reference. Site information question required in order to bid.

Answer: No modifications to existing facility radio transceiver installations are in scope; they operate at the same radio frequency required for new equipment. The Contractor is not responsible for any existing deficiencies including smoke detection, and shall be handled as a differing site condition. Retesting of the facilities existing alarm-supervisory-trouble signals back to the new monitoring equipment is required for BASE BID CLIN-0001 by the drawings and specifications. The radios are located throughout KSC and their approximate location can be determined by referencing the site maps and facilities with similar designations on Drawings 79K38766.

44. Roof Penetrations if required are there any standards in existence, if so please provide a reference?

No reference. General NASA/KSC installation standards knowledge question

Answer: No roof penetrations by the Contractor are required.

45. It is the intent of NASA to allow Simplex- Grinnell (Sole-Source Vendor) to bid this project as a prime contractor?

Justifications and Approvals dated June 01, 2010 Entire Document

Answer: The information contained within the two justification and approvals remain unchanged and the solicitation was issued as "Full and Open" for any and prospective offerors to submit a proposal as either a prime or subcontractor. No restrictions are imposed.

46. Who will be responsible for repairs to the existing Simplex-Grinnell fire alarms systems should problems or deficiencies be discovered during radio system connections and/or testing?

Specifications 28 31 00. 01 98 Section 3.3 par. b Field Testing page 109

Answer: The contractor is not responsible for existing system deficiencies; unless a contract change is issued the Government is responsible for such deficiencies. Existing fire alarm systems will be turned over to the Contractor for modification, and during this turnover process existing deficiencies shall be noted.

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47. Is it the intent of NASA to allow AES (Sole-Source Vendor) to bid this project as a prime contractor?

Justifications and Approvals dated June 01, 2010 Entire Document.

Answer: The information contained within the two justification and approvals remain unchanged and the solicitation was issued as "Full and Open" for any and prospective offerors to submit a proposal as either a prime or subcontractor. No restrictions are imposed.

48. Please confirm that all roof mounted antennas will be installed by the government.

This was mentioned at the pre-bid walk through.

Answer: The Government will install only the (2) antennas indicated by GOVERNMENT WORK AND FURNISHED MATERIAL Note A on Sheet 8 (FA-2) of Drawing 79K38492; both are roof mounted. All other antennas including one (1) roof mounted antenna at M6-342 are to be installed by the Contractor; none require a roof penetration.

49. Will the bid deadline of July 7, 2010 be extended?

SF 1442 (Fire Monitoring) Sections A – Section 13 paragraph A

Answer: Extension was addressed within Amendment 03.

50. Paragraph (iv) allows for four (4) unescorted TAA badges – Is this the total for the contractor or is it four (4) for the Prime Contractor and four (4) for each subcontractor under the prime contractor?

Reference S.O.W/ Pg 50 section – B. Badging Restrictions/Categories

Answer: The Quantity provided is all encompassing of the prime contractor responsibilities. Four is the maximum to be provided.

51. What is the cost for additional TAAs above four (4)?

Reference S.O.W/ Pg 50 section – B. Badging Restrictions/Categories

Answer: The cost for additional unescorted access above four (4) is at a MINIMUM of \$100.00. Cost may increase depending on differing factors.

52. Note C of sheet 18 refers to existing KVM equipment and the drawing for racks 5429, 5438, and 5439 show the KVM equipment in bold lines depicting new equipment. Should this drawing reflect this equipment with dashed lines and note relocated equipment?

Reference: Dwg. 1 of 2 sheet 18 – Note C

Answer: KVM splitters, audio amps and cables associated with Note C on Sheet 18 (FA-12) of Drawing 79K38492 are shown with dark lines are existing equipment and cables.

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They are shown as dark lines because they are relocated to another rack. The existing cables have adequate length; they do not have to be removed and re-installed. Reference Specific Note C on Sheet 19 (FA-13).

53. Documents are not clear on the permission to locate a temporary trailer on site. If permitted, are there contact numbers and costs associated with acquiring power, phone, & internet?

Reference: S.O.W. Section - I. 5 KSC ON-SITE FACILITIES AND SERVICES & attachment J, J-B-8 TEMPORARY CONSTRUCTION TRAILERS

Answer: If the Contractor requires an on-site trailer the Government shall provide a location. Contacts for connections to KSC utilities will be provided, but the Contractor is responsible for the costs of connecting to the designated utilities which are power and telephone.

54. Detail shows coax run with foot note "E" to refer to detail C. No indicators are available to determine length of coax run between these details. Please provide approximate distance.

Reference: Dwg. 1 of 2, Sheet 40, Detail B

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Answer: Dimensions of Room 353 are approximately 18-foot by 12-foot. The existing cabinet at Flag Note G in Detail B is directly above Room 353 where the cable is indicated going both up to the roof and down to the second floor.

55. Is this fiber termination being performed by others? If the contractor is to terminate the fiber a connector type (ST, LC ...) needs to be provided.

Reference: Dwg. 1 of 2 sheet 35 Note D

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Answer: The Contractor shall install the fiber terminations. At the KSC connection end, use the same connector required for the network switch fiber optic modules.

56. Reference: 141350-SOL-001-006.pdf, Section 2.3.2.g

Question: Can a copy of this template be obtained for testing?

"The government shall provide FDCC template security settings via .INF file to be installed by the contractor on the workstation computers. The contractor must ensure system interoperability with these settings. ... The same applies to Section 2.3.3.e"

Answer: The information will be provided after award.

57. Reference: Diagram FA-21: Note A – Existing KSC ETXS Network.

Question: What is the bandwidth?

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Answer: The Contractor is to assume the existing network has adequate bandwidth for the application. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

58. Reference: Diagram FA-21: Note A – Existing KSC ETXS Network.

Question: Is this a dedicated network?

Answer: The network is not dedicated; other applications are present. The CRMS system will operate on designated VLANs provided by the Government.

59. Reference: 141350-SOL-001-006.pdf, Section 2.3.1.5. Item B:

Question: What do the following represent and is either one the panel/account number?

- a. Facility Number
- b. Asset Number

Answer: Facility number would be KSC's standard facility designation (eg. M6-0399 is KSC Headquarters Building). Asset number would be an equipment number designation for a particular fire alarm control panel monitored by the system. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.

60. Reference: 28 31 00 .01 98 Page 42

Question: The document states that the automation system must be UL 1981 classified for fire alarm monitoring. What does "classified" mean in this case, is it just another word for "Listed"?

Answer: For all equipment not UL listed or FM approved provide information in the Technical Proposal; reference Solicitation Section L.7, Item C, on Page 76.

61. Reference: 28 31 00 .01 98 Page 42

Question: Can the list be obtained after the response for the RFP?

Answer: Unable to answer the question; reference is incorrect or incomplete. It is the Government's intention to provide all available information necessary to perform the work.

62. Reference: 141350-SOL-001-006.pdf, Section 2.3.1.5. Item C

Question: What is the difference between 'modem transfer' and faxing?

Answer: None; they are the same.

63. Reference: 141350-SOL-001-006.pdf, Section 2.3.1.5. Item C.2:

### **QUESTION/COMMENTS**

Solicitation NNK10317295R, Repair Kennedy Space Center Wide Fire Monitoring System  
(Phases 1 and 2)

Question: This indicates that the Signal History Reports should have an option to auto adjust for daylight saving time. The Alarm Center will date/time stamp alarm signals when they are received and this date/time comes from the server, which Section 1.5.2.b states should accept time and date from KSC Time Protocol Server using NTP. Please explain what exactly is being sought on this item?

Answer: Use by the system of time/date information from the KSC Time Protocol Server is acceptable; however, the system must continue to keep time in event communications with the KSC timer server is lost. Provide equipment selections, clarifications, and exceptions, in the Technical Proposal; reference Solicitation Section L.7, Items B and D, on Pages 75 and 76.